

5A SITE PLAN
1:250

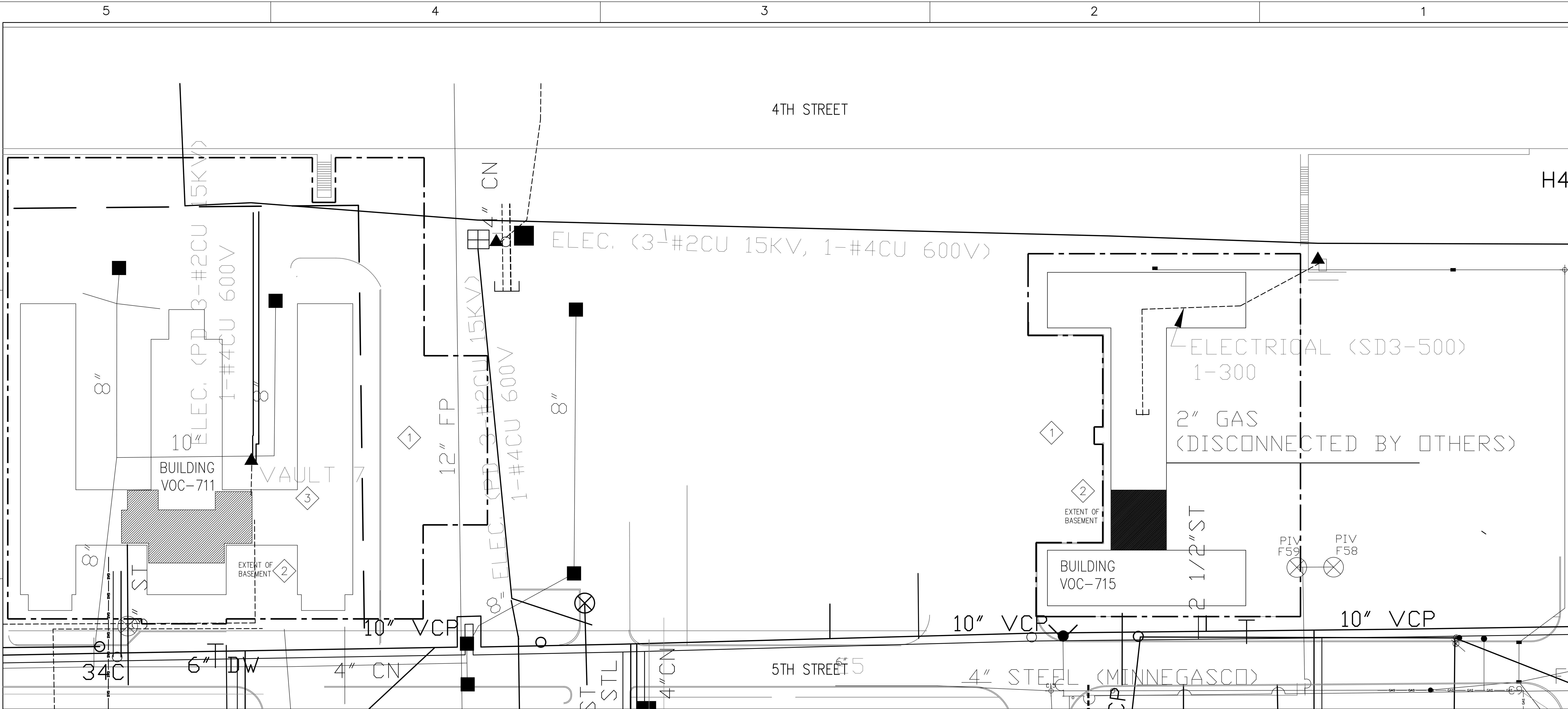
SCALE: 1 : 250
(METRIC)

I hereby certify this drawing was prepared by me or under my direct supervision and that I am a duly registered engineer under the laws of the State of Minnesota.

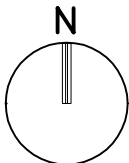
For: Enviroscience, Inc.
By: James Henderson, P.E.
Title: Project Engineer
Registration No: 15241

ALL SCALES SHOWN ARE BASED ON A STANDARD DRAWING SIZE OF 28" X 40" OR METRIC DRAWING SIZE OF 841mm X 594mm. IF ANY OTHER SIZE DRAWINGS ARE FURNISHED OR PLOTTED THE CONTRACTOR SHALL ADJUST THE SCALES ACCORDINGLY. THE CONTRACTOR SHALL ALSO ADVISE HIS SUB-CONTRACTORS OF THE ABOVE.

Revisions			
Symbol	Descriptions	Date	Approved
Architect: ARCHITECTURAL ALLIANCE MINNEAPOLIS, MINNESOTA		Engineer: MEAD & HUNT MADISON, WISCONSIN	U.S. ARMY ENGINEER DISTRICT CORPS OF ENGINEERS OMAHA, NEBRASKA
Designed by: JH	MINNEAPOLIS-ST. PAUL AFR MINNESOTA		
Drawn by: JS	CONSOLIDATED LODGING FACILITY - PHASE FOUR -		
Checked by: DZ	PHASE FOUR SITE DEMOLITION		
Reviewed by: RK	Plot Scale Ratio: 1:1 Design File: C1-4-1.dwg	Date: DECEMBER 2003	Sheet reference number:
Submitted by:	Spec. No.: W9128F-04-B-0002 Contract No.: W9128F-04-C-XXXX	Drawing Code: AF 721-315-04	C1.4.1



UTILITY DEMOLITION PLAN
1:250



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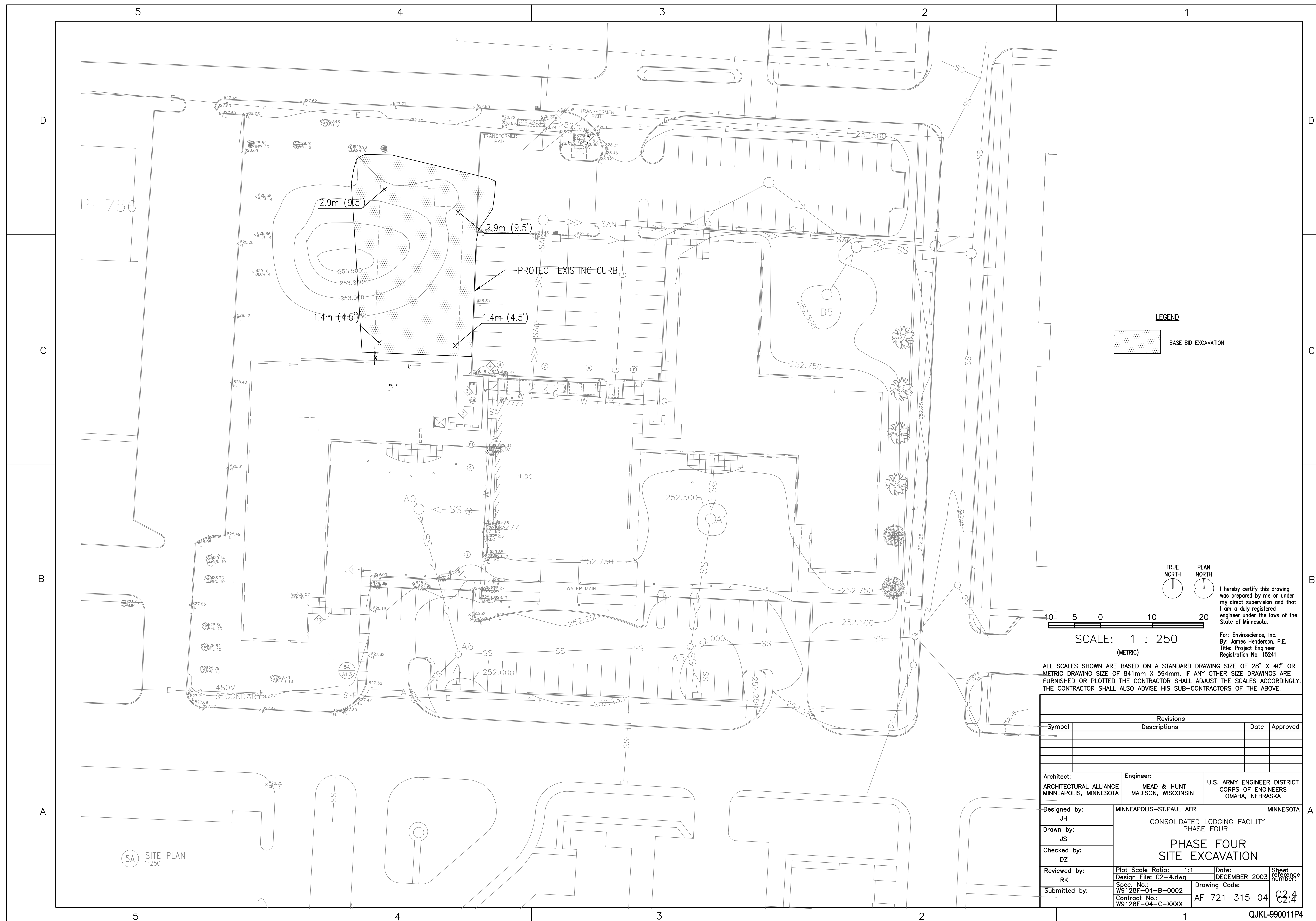
Key Notes

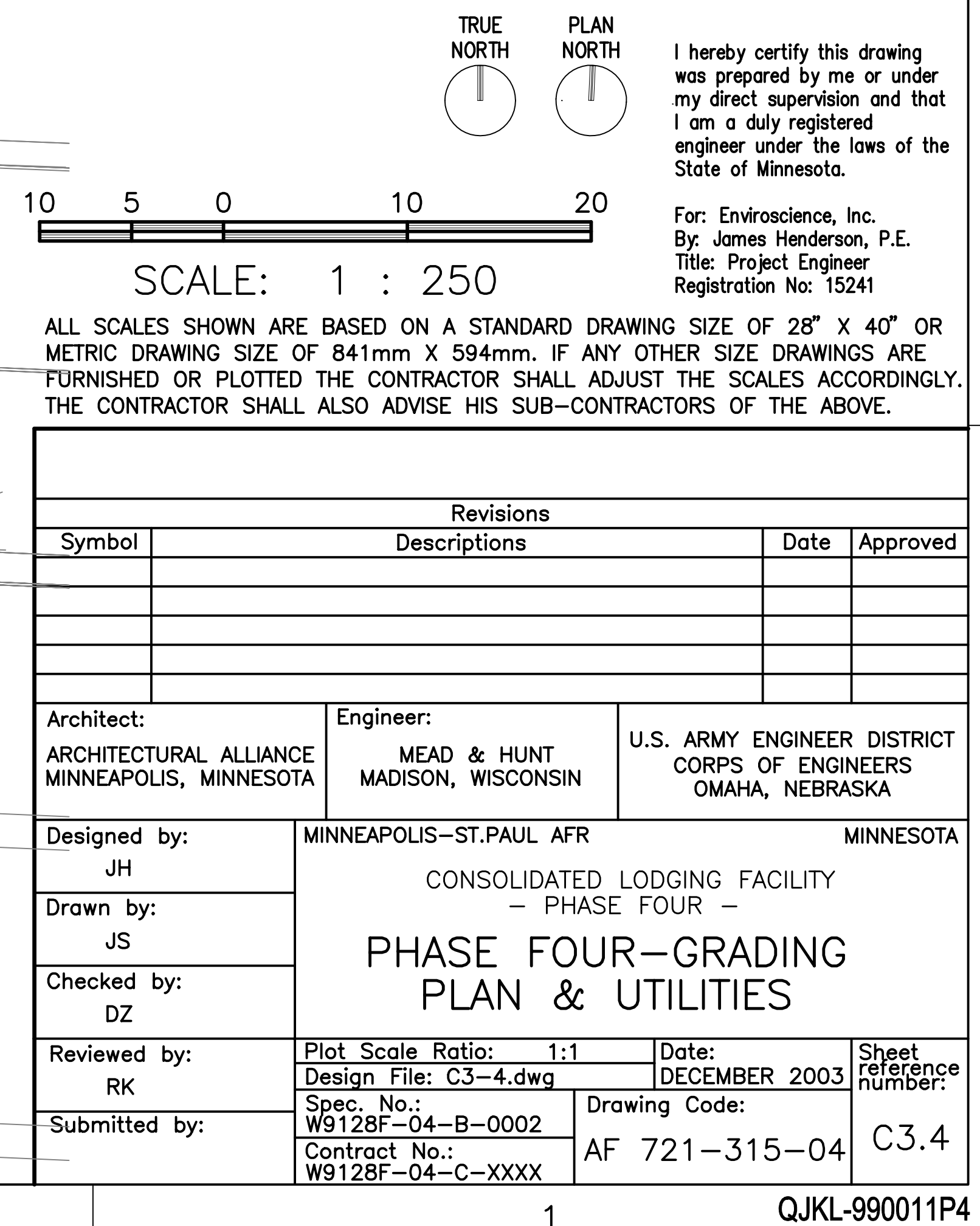
- THE FOLLOWING IS PROVIDED FOR GENERAL INFORMATION ONLY. GENERAL CONTRACTOR IS RESPONSIBLE FOR VISITING SITE TO VERIFY EXISTING CONDITIONS AND SCOPE OF WORK REQUIRED FOR DEMOLITION.
1. FOR INFORMATION ABOUT THE REMOVAL OF PARKING LOT AND RELATED CURB & GUTTER AND SIDEWALK AND RELATED ENTRY AND STAIRS SEE KEYNOTES ON A1.4.
2. SHADED AREAS INDICATE BASEMENTS WITHIN BUILDINGS TO BE DEMOLISHED. COMPACT SOIL TO 90% MAX. DENSITY WITHIN ONE FOOT OF SURFACE.
3. SEE ELECTRICAL NOTE ON SHEET A1.4 REGARDING TRANSFORMERS.

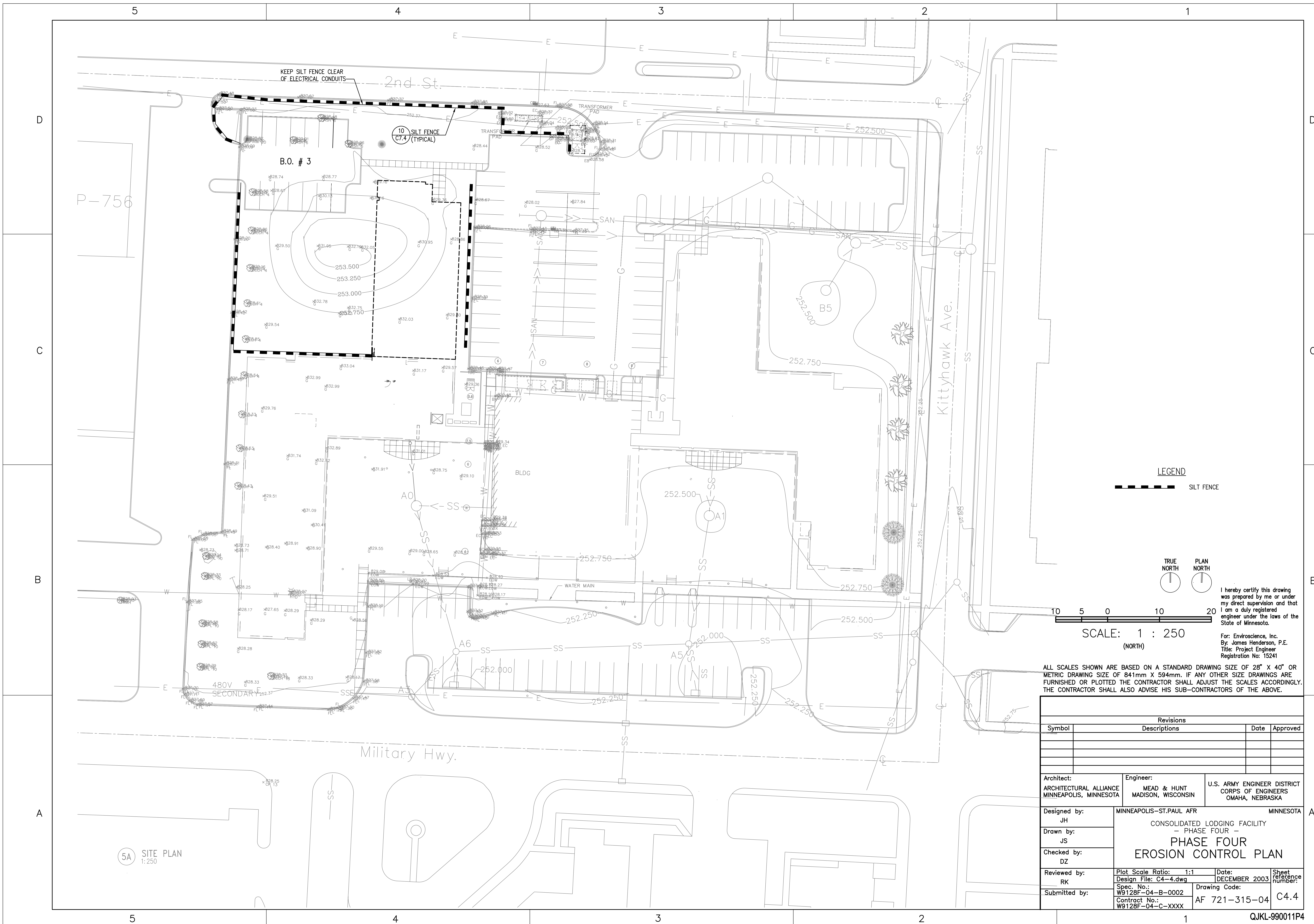
General Note:

1. SEED AND MULCH DISTURBED AREAS PER SPECIFICATION SECTION 02921 SEEDING.

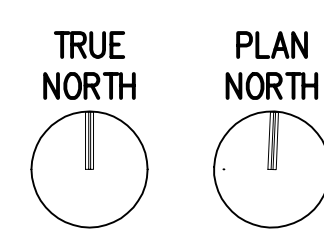
Revisions			
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Designed by: JH	MINNEAPOLIS-ST.PAUL AFR CONSOLIDATED LODGING FACILITY - PHASE FOUR - UTILITY DEMOLITION		
Drawn by: JS			
Checked by: DZ			
Reviewed by: RK	Plot Scale Ratio: 1:1 Design File: C1.4-2.dwg	Date: DECEMBER 2003	Sheet reference number:
Submitted by:	Spec. No.: W9128F-04-B-0002 Contract No.: W9128F-04-C-XXXX	Drawing Code: AF 721-315-04	C1.4.2







LEGEND
--- SILT FENCE



10 5 0 10 20
SCALE: 1 : 250
(NORTH)

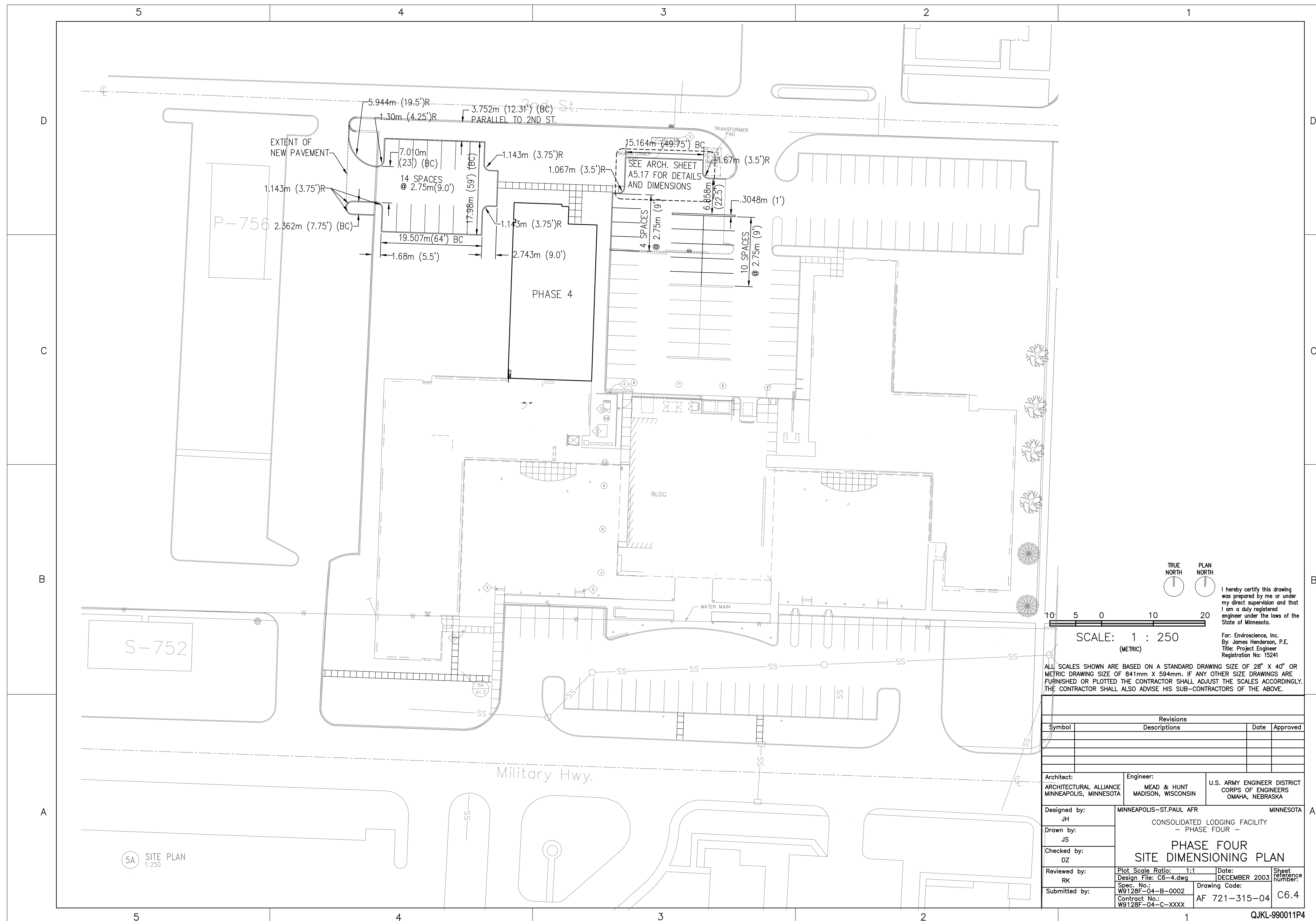
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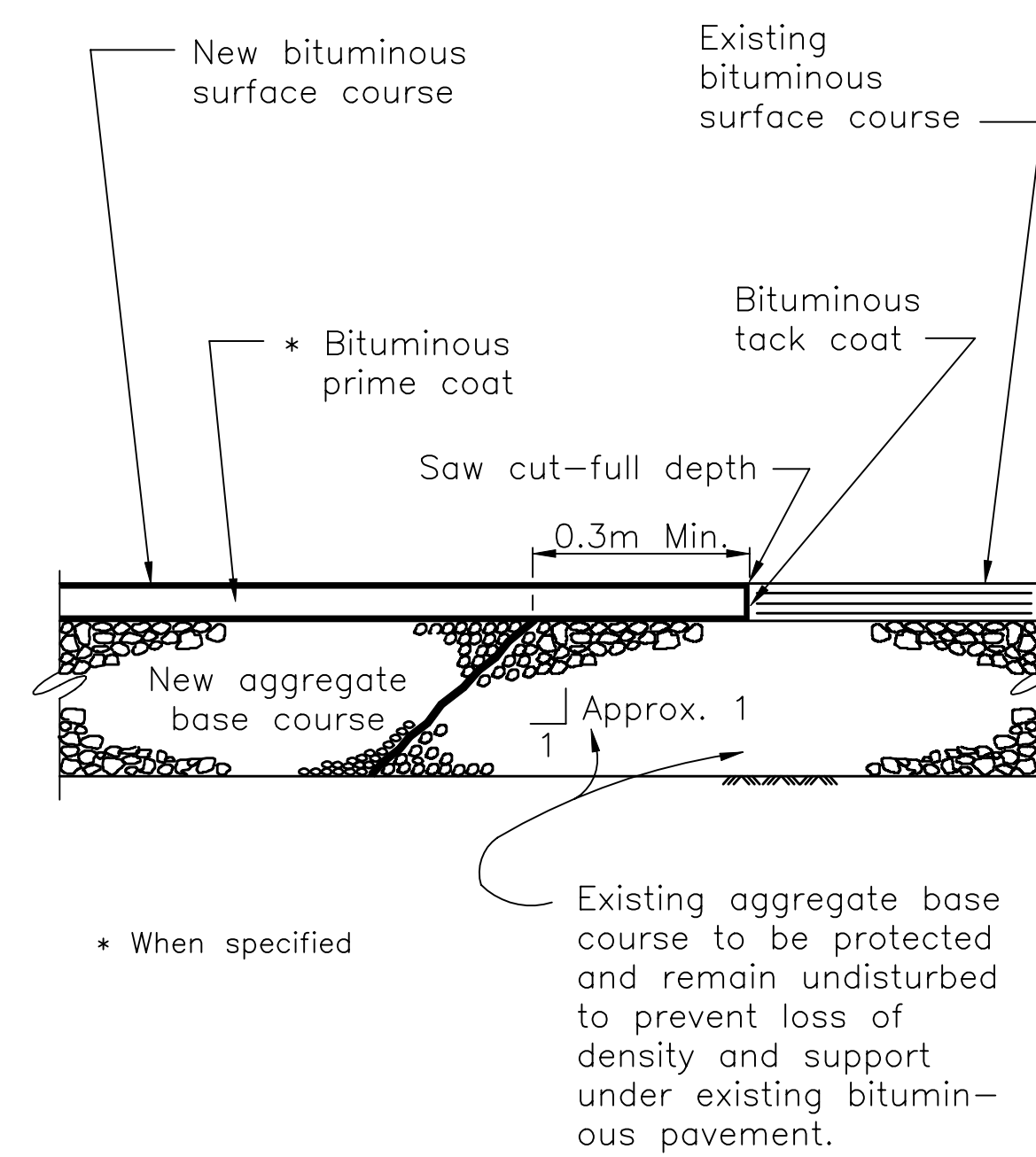
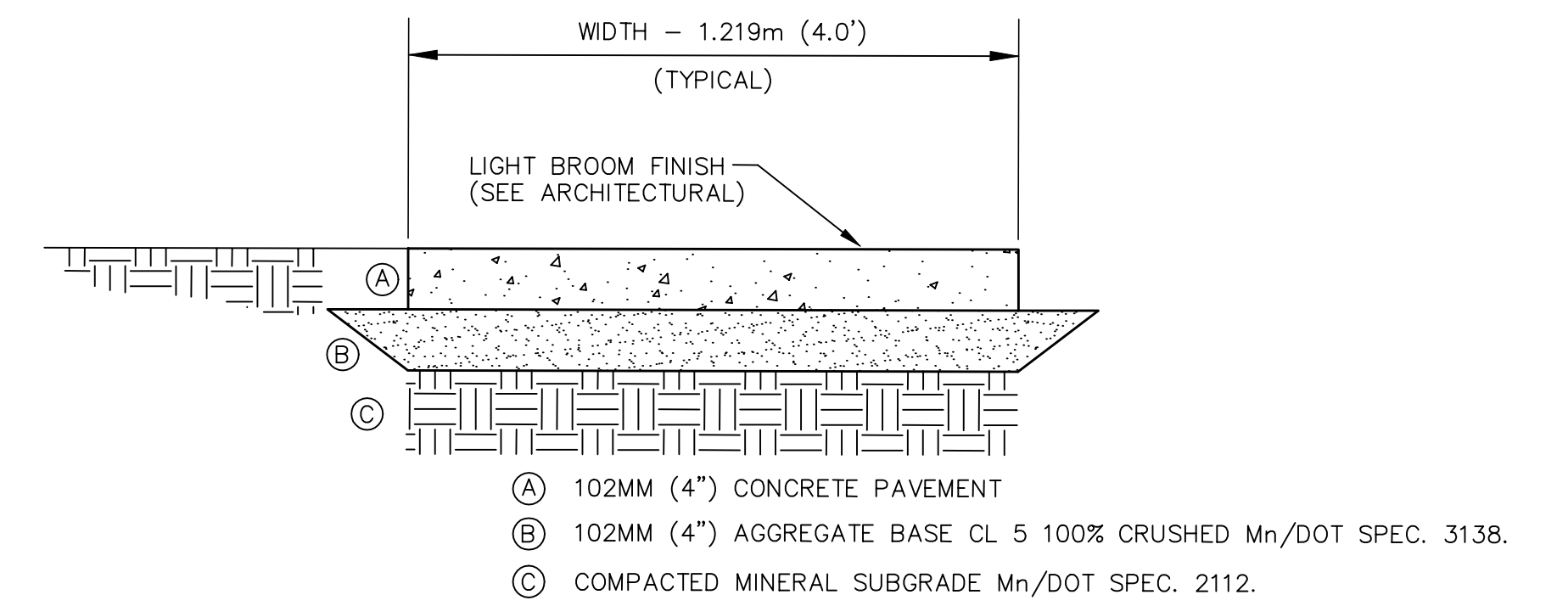
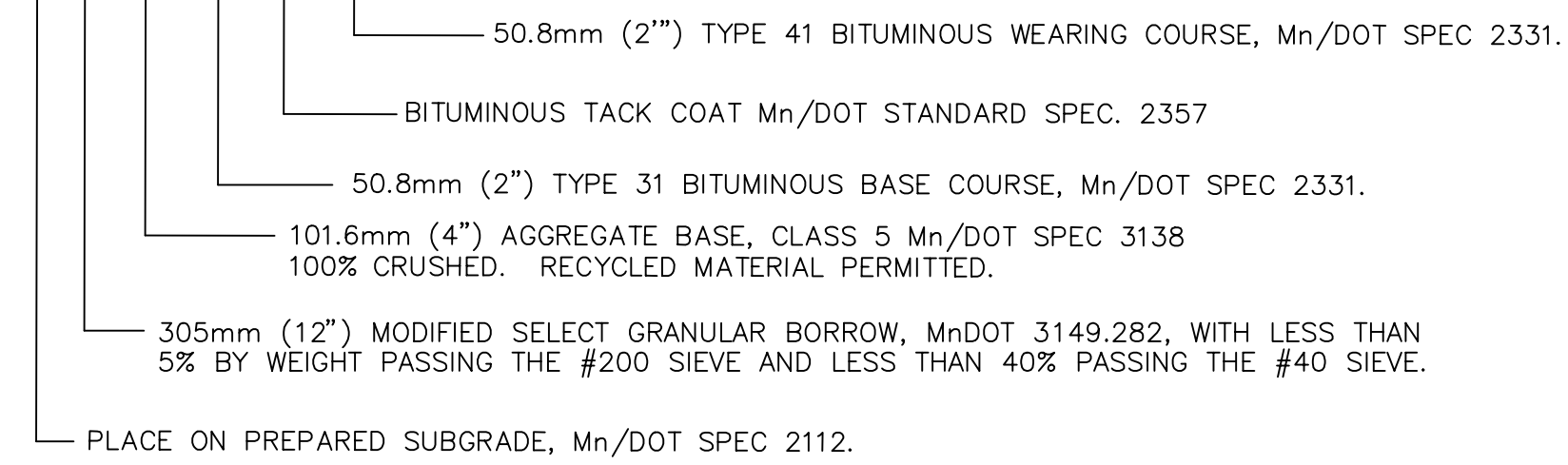
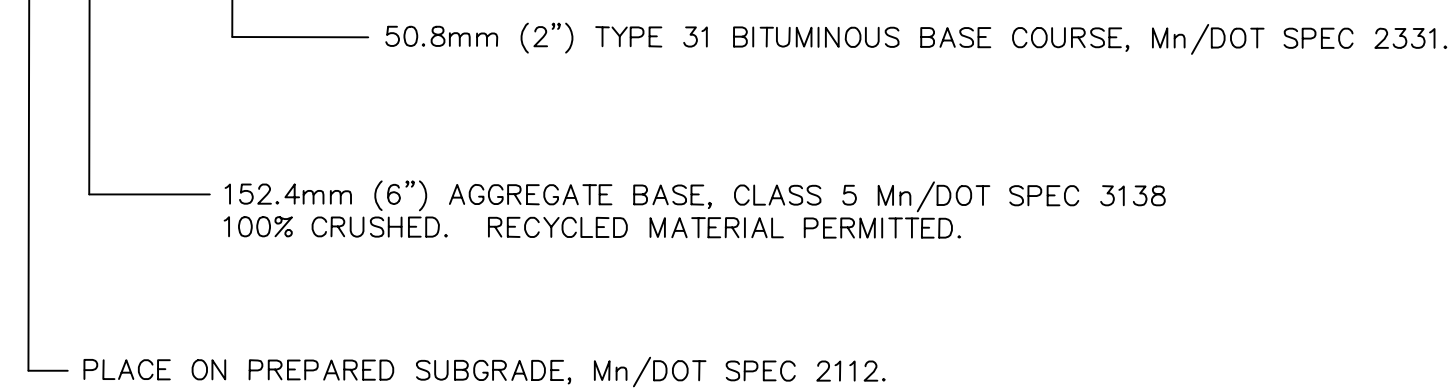
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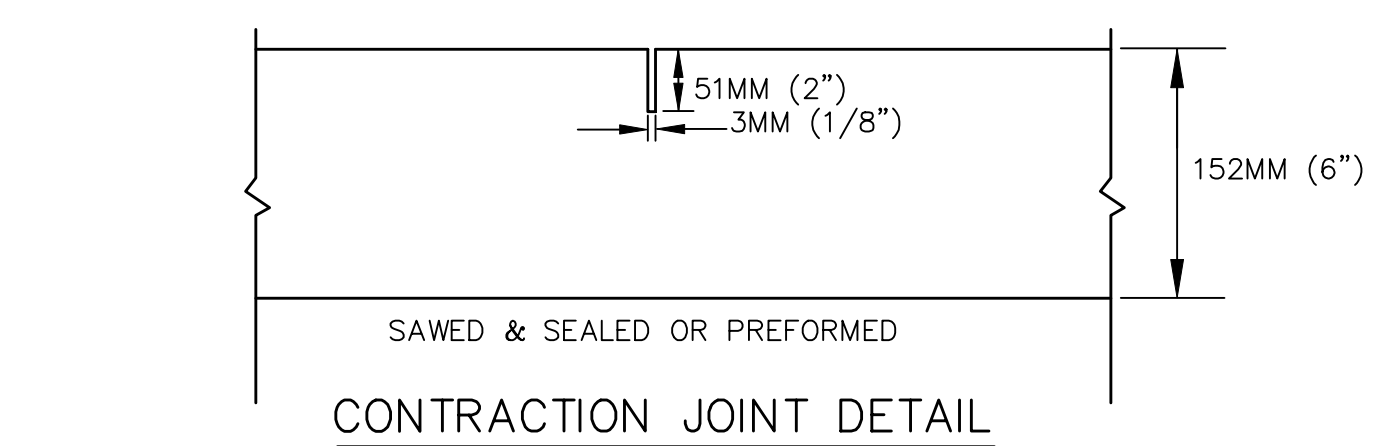
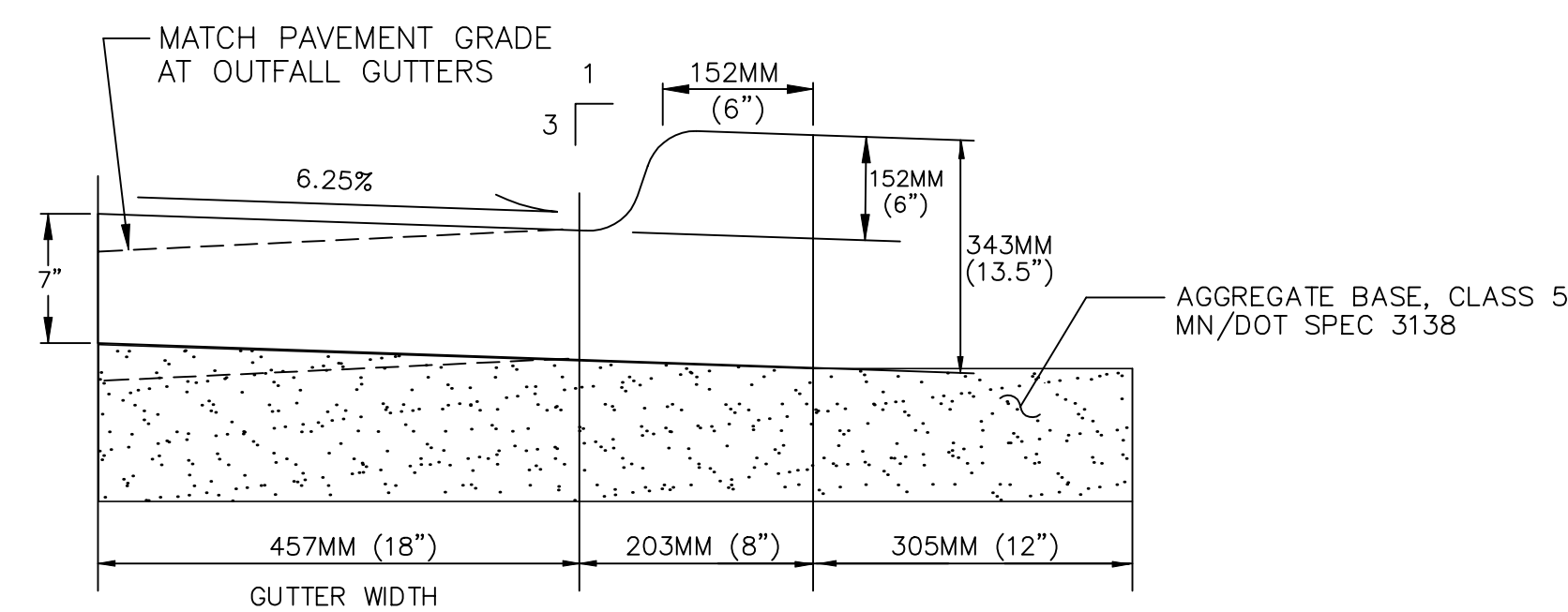
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Designed by: JH	MINNEAPOLIS-ST. PAUL AFR MINNESOTA		
Drawn by: JS	CONSOLIDATED LODGING FACILITY PHASE FOUR -		
Checked by: DZ	PHASE FOUR EROSION CONTROL PLAN		
Reviewed by: RK	Plot Scale Ratio: 1:1 Design File: C4-4.dwg	Date: DECEMBER 2003	Sheet reference number: C4.4
Submitted by:	Spec. No.: W9128F-04-B-0002 Contract No.: W9128F-04-C-XXXX	Drawing Code: AF 721-315-04	

5A SITE PLAN
1:250

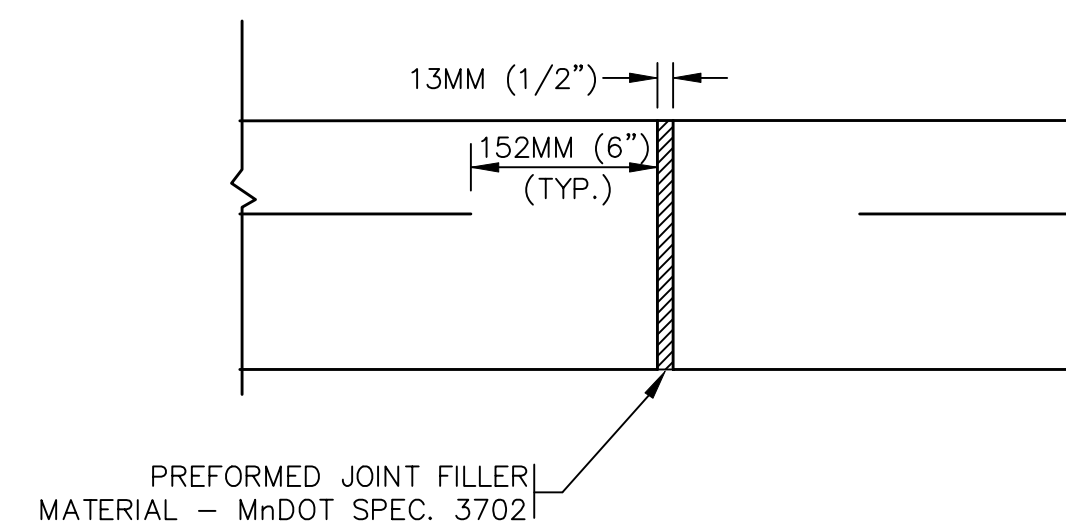




A number line diagram with a horizontal line. Above the line, a semi-circle is drawn, and the number 4 is written inside it. Below the line, the labels C3.4 and C7.4 are written, with a vertical tick mark between them.

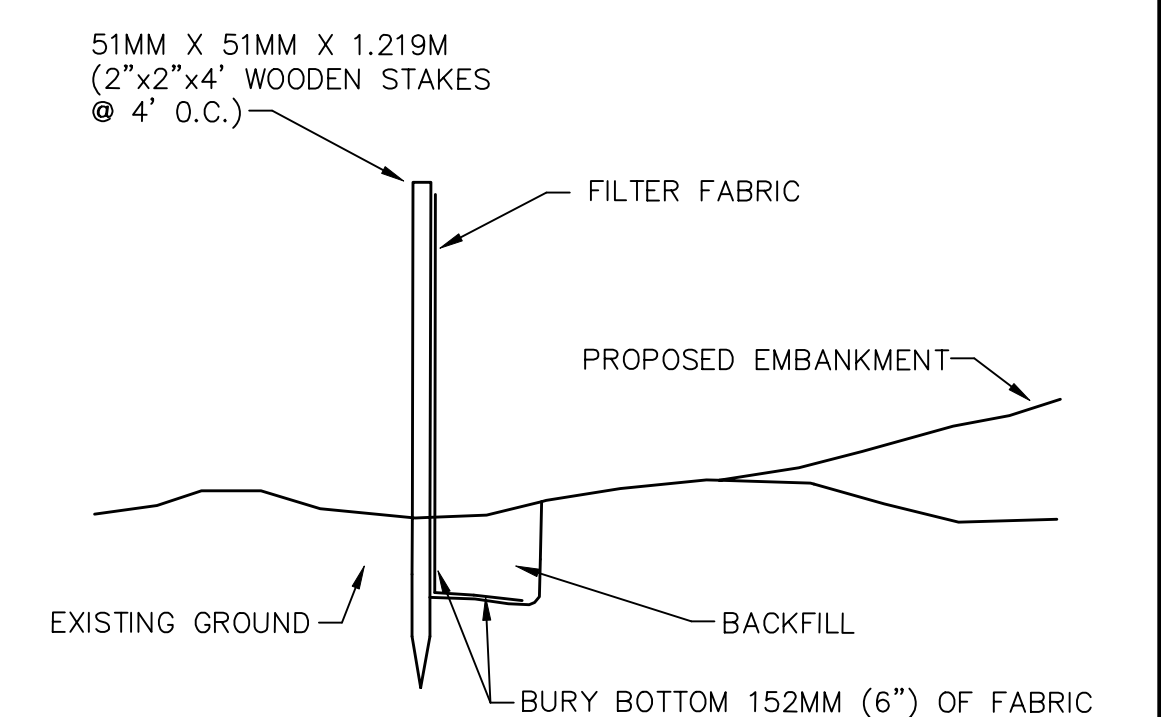


EXPANSION JOINT DETAIL WITHOUT DOWEL



6

C5.4 | C7.4



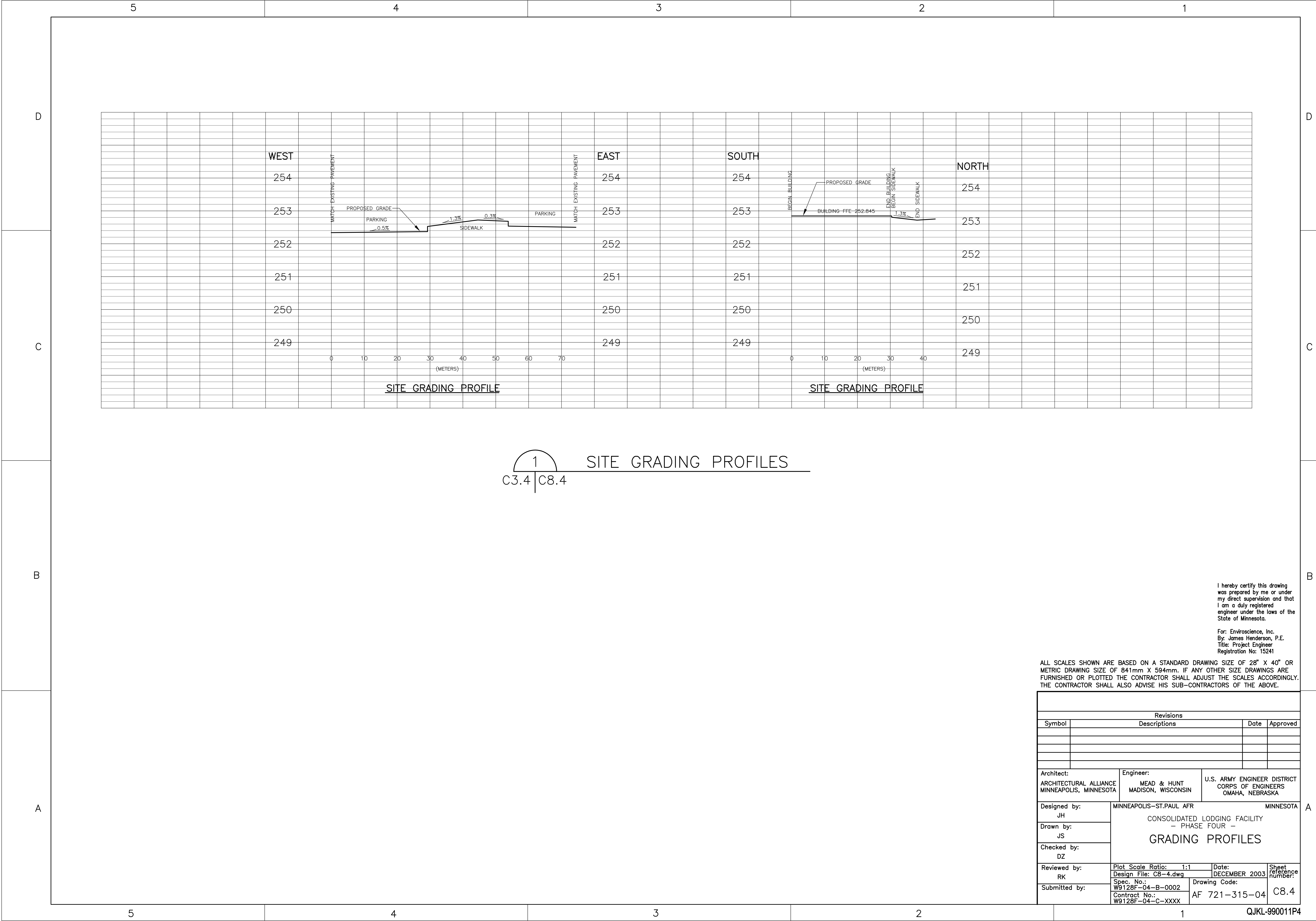
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ARCHITECTURAL ALLIANCE	MEAD & HUNT	CORPS OF ENGINEERS	
MINNEAPOLIS, MINNESOTA	MADISON, WISCONSIN	OMAHA, NEBRASKA	
Designed by:	MINNEAPOLIS—ST. PAUL AFR		MINNESOTA
JH	CONSOLIDATED LODGING FACILITY		
Drawn by:	— PHASE FOUR —		
	SITE DETAILS		
JS			
Checked by:			
DZ			
Reviewed by:	Plot Scale Ratio: 1:1	Date:	Sheet
RK	Design File: C7-4.dwg	DECEMBER 2003	reference
Submitted by:	Spec. No.: W9128F-04-B-0002	Drawing Code:	C7.4
	Contract No.: W9128F-04-C-XXXX	AF 721-315-04	

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1

C3.4

C8.4

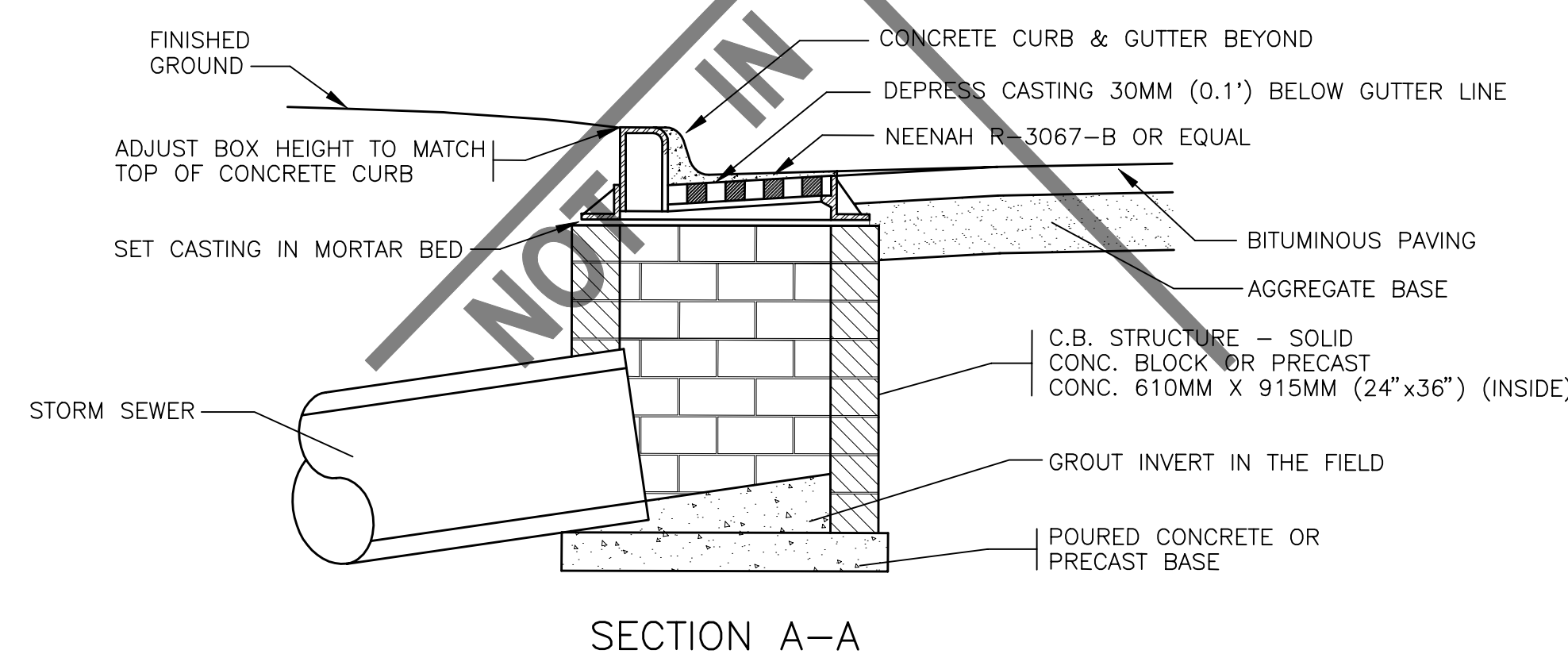
SITE GRADING PROFILES

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Designed by: JH	MINNEAPOLIS-ST.PAUL AFR CONSOLIDATED LODGING FACILITY - PHASE FOUR - GRADING PROFILES		
Drawn by: JS			
Checked by: DZ			
Reviewed by: RK	Plot Scale Ratio: Design File: C8-4.dwg	Date: DECEMBER 2003	Sheet reference number:
Submitted by:	Spec. No.: W9128F-04-B-0002 Contract No.: W9128F-04-C-XXXX	Drawing Code: AF 721-315-04	C8.4



NOTE: HS20 ROADWAY LOADING CATCH BASIN COVER SLAB OF PRECAST REINFORCED CONCRETE WITH RECTANGULAR OPENING.

SECTION A-A

PLAN OF COVER SLAB

NOTE: STANDARD C.B. TO 8' DEPTH - NO STEPS COVER SLAB TO REST ON BED OF MORTAR ON FULL THICKNESS OF STRUCTURE WALLS- NOT TO REST ON PIPE TONGUE OR GROOVE.

ADJUSTING RINGS - 2 MIN., 5 MAX. FULL 3/8" BED OF MORTAR BETWEEN RINGS PLASTER EXTERIOR ONLY WITH 2" MIN. THICK COAT - STRIKE OFF INTERIOR - NO SHIMS PERMITTED

STORM PIPE LEAD DIM.	STRUCTURE REQUIREMENTS					
	D	B	C	E	T	K
12" - 18"	48"	58"	5"	6"	6"	11"
21" - 30"	60"	72"	6"	8"	8"	18"
33" - 48"	72"	96"	7"	8"	8"	25"

SECTIONAL VIEW

NOTE: THIS CONSTRUCTION IS NOT TO BE USED WITH PIPE LARGER THAN 36" DIAMETER.

7"

4'-0"

VARIES

8"

6'-0"

SECTIONAL VIEW

MANHOLE CASTING & COVER, YENNEAH OR APPROVED EQUAL WITH CONCEALED PICK HOLE.

ADJUSTING RINGS PERMITTED ONLY ON MANHOLES CONSTRUCTED IN STREETS TO A MAXIMUM OF THREE RINGS. SET IN FULL MORTAR BED, PLASTER INSIDE AND OUTSIDE.

ECCENTRIC CONE

STEPS SET VERTICALLY AT 16" O.C.

PREFORMED GASKET TYPE SEAL

STANDARD 4'-0" I.D. MANHOLE SECTION. HEIGHT VARIES AS REQUIRED.

SINGLE LINE STEEL WIRE FABRIC REINFORCING HAVING AN AREA OF NOT LESS THAN 0.12 SQ. IN. PER FT. OF HEIGHT.

PROVIDE MORTAR FILLETS TO FIT BOTTOM PORTIONS OF PIPE TO DIRECT FLOW TO OUTLET. SEE SECTION AA.

PRECAST CONCRETE BASE IS ACCEPTABLE ONLY IF PROPER BEDDING IS PROVIDED. ALTERNATE 8" CONCRETE BASE POURED IN PLACE.

SHAPE MORTAR FILLET TO PROVIDE A FLAT AREA EACH SIDE OF INVERT FOR STANDING ROOM. THESE MUST BE SLOPED TO DRAIN INTO INVERT.

OUTLET PIPE

INVERT

SECTIONAL THRU "AA"

Diagram illustrating the arrangement of rafts for a storm sewer inlet. The rafts are positioned around the inlet, with labels indicating the 'STORM SEWER INLET', 'OPEN THROAT', and 'RAFTS'. A circled number '1' points to one of the rafts.

PLAN

PARKING LOT

CURB FACE

SLOPE TRENCH @ 1 1/2" PER FT. TO DAYLIGHT AT CURB

ACCU

PIPES

BUILDING FACE

SECTION

1/4" STEEL PLATE AND STEEL ANGLES

4"

4"

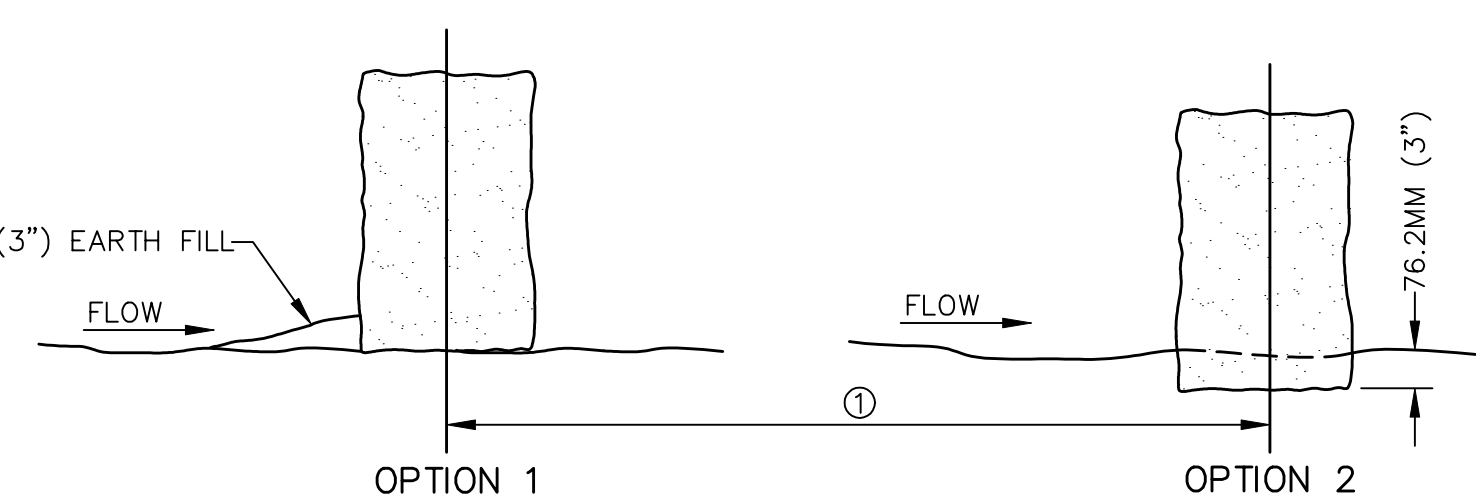
4"

18" CLEAR

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OPTION 1

OPTION 2

BALE CHECK DETAILS

INLET STRUCTURES
AND DITCHES

UNDISTURBED SOIL

A

12" MIN.

1" to 2"

TIMBER BLOCKING
AS PER SPECS.

PIEG

PLAN

UNDISTURBED SOIL

12" MIN.

A

TABLE FOR
150 P.S.I.
TEST PRESSURE

DIA.	A	B
6"	2'-0"	1'-0"
8"	3'-0"	1'-0"
10"	3'-0"	2'-0"
12"	3'-0"	3'-0"

NOTE: DIMENSIONS A & B VARY ACCORDING
TO PIPE SIZE & TEST PRESSURE.

CONCRETE BLOCKING

B

ELEVATION

CONCRETE BLOCKING

B

Revisions			
Symbol	Descriptions	Date	Approved

Architect:	Engineer:	
ARCHITECTURAL ALLIANCE MINNEAPOLIS, MINNESOTA	MEAD & HUNT MADISON, WISCONSIN	U.S. ARMY ENGINEER DISTRICT CORPS OF ENGINEERS OMAHA, NEBRASKA

Designed by:	MINNEAPOLIS-ST. PAUL AFR	MINNESOTA
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Drawn by:	CONSOLIDATED LODGING FACILITY - PHASE FOUR -
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SITE DETAILS

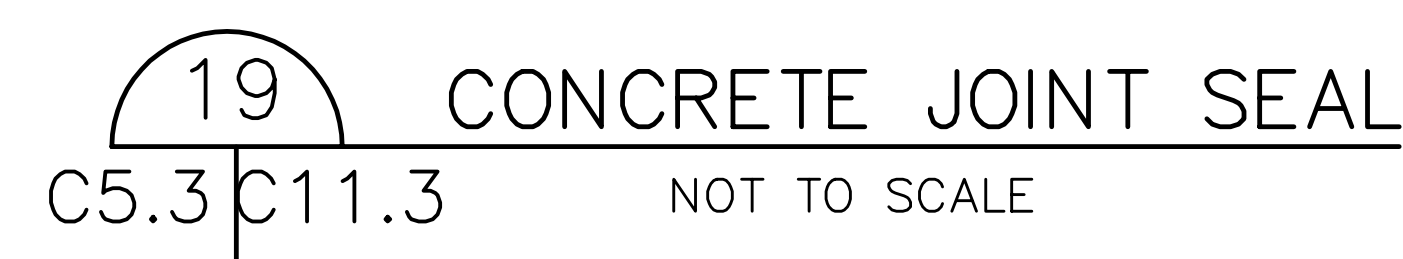
Checked by:	
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Reviewed by:	Plot Scale Ratio:	Date:	Sheet
	Design File:	DECEMBER 2003	reference

Design File:	DECEMBER 2003	number:
Spec. No.: W9128F-04-B-0002	Drawing Code:	
Submitted by:		

Contract No.:	AF 721-315-04	C10.3
W9128F-04-C-XXXX		

QJKL-990011P4



- NOTES -

T = PAVEMENT THICKNESS.

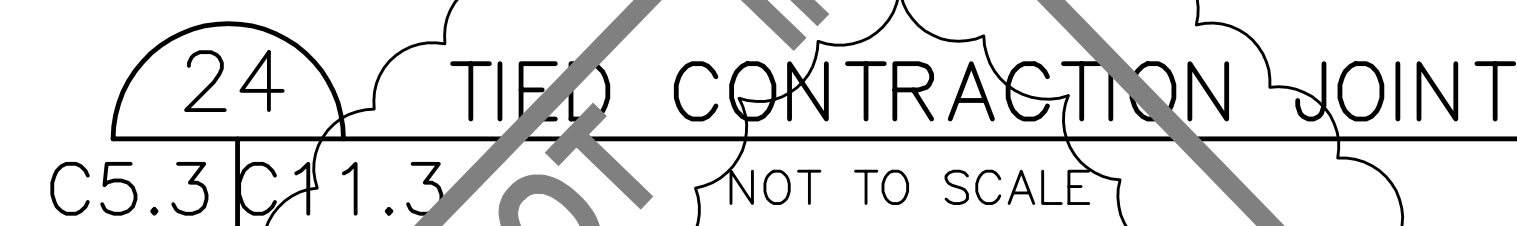
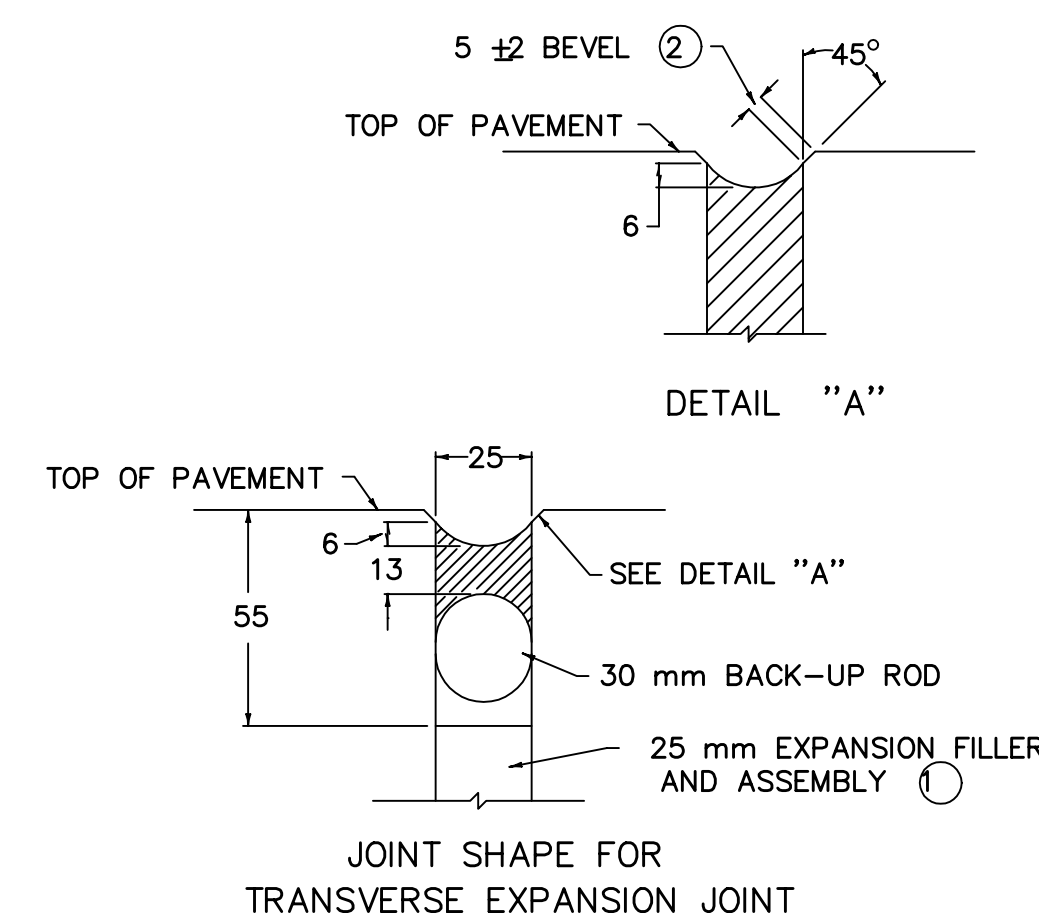
① THESE EDGES SHALL BE BEVELED USING A CUTTING OR GRINDING DEVICE.

JOINT TOLERANCES : SAW CUT DEPTH -0 mm TO + 13 mm

SAW CUT WIDTH -0 mm TO + 2 mm

SEAL BEAD THICKNESS -0 mm TO + 3 mm

② ALL DIMENSIONS ARE IN MILLIMETERS UNLESS SHOWN OTHERWISE.



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Checked by:	SITE DETAILS		
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Submitted by:	Spec. No.: W9128F-04-B-0002	Drawing Code:	
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